

***LineUp With Math™* Alignment**
2007 Mississippi Mathematics Framework

Content Strand: Algebra

Competency 2. Understand, represent, and analyze patterns, relations, and functions.

Objectives/Benchmarks

d. Explain and illustrate how changes in one variable may result in a change in another variable and apply to concepts of independent and dependent variables.

***LineUp With Math™* Activities**

--Use an interactive simulator to identify distance, rate, time conflicts in air traffic control problems and resolve the conflicts by varying plane speeds or changing plane routes.

Content Strand: Measurement

Competency 4. Demonstrate and apply various formulas in problem solving situations.

Objectives/Benchmarks

a. Solve real-world problems involving formulas (e.g., circumference, perimeter, area, volume, interest, distance, rate, work, etc.).

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.